



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO AMERICAN BOTANICAL LITERATURE

(1907)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions their kindness will be appreciated.

This Index is reprinted monthly on cards, and furnished in this form to subscribers, at the rate of one cent for each card. Selections of cards are not permitted; each subscriber must take all cards published during the term of his subscription. Correspondence relating to the card-issue should be addressed to the Treasurer of the Torrey Botanical Club

- Anderson, M. P.** Early European botanists in Japan. Jour. N. Y. Bot. Gard. 8: 99-110. f. 15. [Je] 1907.
- Arthur, J. C., and others.** American code of botanical nomenclature. Bull. Torrey Club 34: 167-178. 11 Je 1907.
- Atkinson, G. F.** A mushroom parasitic on another mushroom. Plant World 10: 121-130. f. 22-24. Je 1907.
- Autran, E.** Les Tropéolacées argentines et le genre *Magallana* Cav. Anal. Soc. Ci. Arg. 63: 74-81. pl. F 1907.
- Becker, W.** Systematische Bearbeitung der Violen-Sektion *Leptidium* (Ging. pro parte maxima). Beih. Bot. Centralb. 22²: 78-96. pl. 1. 1 Je 1907.
- Berger, A.** *Opuntia Gosseliniana* Web. Monats. Kakteenk. 17: 68-71. 15 My 1907. [Illust.]
Native of Baja California.
- Berry, E. W.** Contributions to the Mesozoic flora of the Atlantic coastal plain — II. North Carolina. Bull. Torrey Club 34: 185-206. pl. 11-16. 11 Je 1907.
New species described in *Myrica*, *Quercus*, *Planera*, *Liriodendron*, and *Pterospermites* (2).
- Blakeslee, A. F.** Heterothallism in bread mold, *Rhizopus nigricans*. Bot. Gaz. 43: 415-418. 17 Je 1907.

- Blumer, J. C.** Notes on heliotropism of *Sisymbrium canescens*. Plant World 10: 141, 142. Je 1907.
- Brainerd, E.** The behavior of the seedlings of certain violet hybrids. Science II. 25: 941-944. 14 Je 1907.
- Broadway, W. E.** A Grenada mountain estate. Gard. Chron. III. 41: 410. 22 Je 1907.
- Broadway, W. E.** Grenada, W. I. Gard. Chron. III. 41: 383. 15 Je 1907.
Notes on a few native and introduced species.
- Brotherus, V. F.** *Musci*, in Engler & Prantl, Die nat. Pflanzenfam. 1³: 865-960. f. 635-700. 1907.
Lembophyllaceae (Schluss), *Entodontaceae*, *Fabroniaceae*, *Pilotrichaceae*, *Nematocaceae*, und *Hookeriaceae*.
- Brown, S.** A new spruce from the Canadian Rocky Mountains. Torrey 7: 123-125. 19 Je 1907.
Picea albertiana sp. nov., native of Alberta.
- Burlingham, G. S.** Suggestions for the study of the *Lactariae*. Torrey 7: 118-123. 19 Je 1907.
- Clinton, G. P.** Dry rot fungus, *Merulius lacrymans* (Wulf.) Schum. Rep. Conn. Agric. Exp. Sta. 1906: 336-341. pl. 26-28. My 1907.
- Clinton, G. P.** Notes on fungous diseases, etc., for 1906. Rep. Conn. Agric. Exp. Sta. 1906: 307-331. pl. 17-22. My 1907.
- Clinton, G. P.** Root rot of tobacco, *Thielavia basicola* (B. & Br.) Zopf. Rep. Conn. Agric. Exp. Sta. 1906: 342-368. f. 14 + pl. 29-32. My 1907.
- Cockerell, T. D. A.** A new *Mertensia* from Colorado. Muhlenbergia 3: 68. 8 Je 1907.
- Cockerell, T. D. A.** A new plant (*Ficus*) from the Fox Hills Cretaceous. Univ. Colo. Stud. 4: 152, 153. Ap 1907.
Scientific expedition to northeastern Colorado.
- Collins, F. S.** The basis of nomenclature for algae. Rhodora 9: 77-80. 3 Je 1907.
- Cook, M. T.** The embryology of *Rhytidophyllum*. Bull. Torrey Club 34: 179-184. pl. 10. 11 Je 1907.
- Cook, M. T.** Notes on polyembryony. Torrey 7: 113-117. f. 1-3. 19 Je 1907.
- Cook, O. F.** Transmission inheritance distinct from expression inheritance. Science II. 25: 911-912. 7 Je 1907.

- Cooke, M. C.** Root-rot fungus. Gard. Chron. III. 41: 361. f. 153. 8 Je 1907.
- Copeland, E. B.** Pteridophyta halconenses: a list of the ferns and fern-allies collected by Elmer D. Merrill on Mount Halcon, Mindoro. Philipp. Jour. Sci. 2: Bot. 119-151. pl. 1-4. Ap 1907.
Includes new species in *Dennstaedtia*, *Diplazium* (4), *Asplenium*, *Plagiogyria*, *Acrosorus*, *Prosaptia*, *Polypodium* (4), *Hymenophyllum*, and *Alsophila*.
- Deichmann, H. & Rosenvinge, L. K.** Bemaerkninger om Isfod og Tangrand ved Grønlands Kyster. Bot. Tidssk. 28: 171-181. f. 1-3. 1907.
- Deichmann, H. & Rosenvinge, L. K.** Note sur la limite supérieure des Fucacées et sur le bord de glace ("Isfod") sur les côtes du Groenland. Bot. Tidssk. 28: 182-184. 1907.
- DeVries, H.** Plant breeding. Comments on the experiments of Nils-son and Burbank. i-xiii. 1-360. f. 1-114. Chicago, 1907.
- Dillingham, F. T.** The staff-tree, *Celastrus scandens*, as a former food supply of starving Indians. Am. Nat. 41: 391-393. 22 Je 1907.
- Dismier G.** Note sur quelques *Philonotis* de l'Amérique du Nord et de l'Europe. Rev. Bryol. 34: 50-52. [My] 1907.
- Farr, E. M.** Contributions to a catalogue of the flora of the Canadian Rocky Mountains and the Selkirk Range. Contr. Bot. Lab. Univ. Penn. 3: 1-88. map. Je 1907.
- Ferguson, M. C.** Two embryo-sac mother-cells in *Lilium longiflorum*. Bot. Gaz. 43: 418, 419. f. 1. 17 Je 1907.
- Fernald, M. L.** Diagnoses of new spermatophytes from Mexico. Proc. Am. Acad. Arts & Sci. 43: 61-68. 26 Je 1907.
New species described in *Carex* (2), *Alnus* (2), *Heliotropium*, *Salvia* (9), *Castilleja*, and *Ruellia*.
- Fernald, M. L., & Eames, A. J.** Preliminary lists of New England plants, — XX. *Sparganiaceae*. Rhodora 9: 86-90. 3 Je 1907.
Includes *Sparganium lucidum* sp. nov.
- Fitzpatrick, T. J.** A proposed new species of *Lilium*. Iowa Nat. 2: 30, 31. 14 My 1907.
L. lanceolatum, a native of Iowa.
- Fletcher, E. F.** *Alchemilla pratensis* found at Westford, Massachusetts. Rhodora 9: 92. 3 Je 1907.
- Fobe, F.** Einiges über die Blütenbefruchtung der Kakteen. Monats. Kakteenk. 17: 75-77. 15 My 1907.
- Fowler, J.** Report on the flora of Canso, Nova Scotia. Further Contrib. Can. Biol. 1902-1905: 59-70. 1907.

- Freeman, E. M.** The ether freezing microtome, in botanical technique. Science II. **25**: 747-749. 10 My 1907. [Illust.]
- Greenman, J. M.** New species of *Senecio* and *Schoenocaulon* from Mexico. Proc. Am. Acad. Arts & Sci. **43**: 19-21. 26 Je 1907.
Two new species of *Senecio* and three of *Schoenocaulon*.
- Griffiths, D.** Concerning some west American fungi. Bull. Torrey Club **34**: 207-211. 11 Je 1907.
Includes new species in *Sclerospora*, *Ustilago*, *Sorosporium*, *Urocystis*, *Aecidium*, and *Puccinia*.
- Grignan, G. T.** Trois beaux *Salvia*. *Salvia azurea grandiflora*, *S. splendens* Boule de feu, *S. splendens* Surprise. Rev. Hort. **79**: 279-281. f. 94 + pl. 16 Je 1907.
- Harper, R. M.** Competition between two oaks. Plant World **10**: 114-117. f. 20, 21. My 1907.
- Harrison, A. K., and others.** Reports on the flora of the Boston district, I. *Rhodora* **9**: 81-86. 3 Je 1907.
- Harshberger, J. W.** The Mexican cypress. Forest Leaves **11**: 24. Ap 1907. [Illust.]
- Hassler, E.** Plantae paraguarienses novae vel minus cognitae IV. Bull. Herb. Boiss. II. **7**: 445-460. 30 My 1907. [Illust.]
New species in *Lobelia* (2), *Paspalum*, *Panicum*, and *Sida*.
- Hay, G. U.** Observations on weather and plants, 1906. Bull. Nat. Hist. Soc. New Brunswick **5**: 559-561. 1907.
- Hay, G. U.** Report of committee on botany. Bull. Nat. His. Soc. New Brunswick **5**: 563, 564. 1907.
- Haynes, C. C.** Ten lophozias. Bryologist **10**: 9-12. pl. 2, 3. 2 Ja 1907.
- Heald, F. D.** Field work in plant pathology. Plant World **10**: 104-109. My 1907.
- Hemsley, W. B.** American rubber plants. Kew Bull. Misc. Inf. 1907: 153-156. My 1907.
- Hemsley, W. B.** *Eupatorium glandulosum*. Curt. Bot. Mag. IV. **3**: pl. 8139. Je 1907.
Native of Mexico.
- Hibbard, R. P.** The influence of tension on the formation of mechanical tissue in plants. Bot. Gaz. **43**: 361-382. 17 Je 1907.
- Holm, T.** The genus *Carex* in north-west America. Beih. Bot. Centralb. **22**²: 1-29. 1 Je 1907.
- Holway, E. W. D.** North American *Uredineae*. **1**: 57-80. f. + pl. 24-36. 10 My 1907.
Includes descriptions of 3 new species of *Puccinia*.

- House, H. D.** New or noteworthy North American *Convolvulaceae*. Bot. Gaz. **43**: 408-414. *f. 1-4*. 17 Je 1907.
Includes 9 new species in *Ipomoea*, natives of Mexico or Central America.
- Hoyt, W. D.** Periodicity in the production of the sexual cells of *Dic-tyota dichotoma*. Bot. Gaz. **43**: 383-392. 17 Je 1907.
- Jeffrey, E. C. & Chrysler, M. A.** The microgametophyte of the *Podocarpaceae*. Am. Nat. **41**: 355-364. *f. 1-5*. 22 Je 1907.
- Jensen, C. A.** Some mutual effects of tree-roots and grasses on soils. Science II. **25**: 871-874. 31 My 1907.
- Judd, C. S.** A mesquite grove in Hawaii. Forestry & Irrig. **13**: 186, 187. Ap 1907.
- Livingston, B. E.** Relative transpiration in cacti. Plant World **10**: 110-114. *f. 19*. My 1907.
- Loew, O.** A correction. Science II. **25**: 940. 14 Je 1907.
- MacDougal, D. T.** Natural hybrids. Plant World **10**: 138, 139. Je 1907.
- MacKay, A. H.** The *Diatomaceae* of Canso Harbour, Nova Scotia. A provisional list. Further Contrib. Can. Biol. **1902-1905**: 55-58. 1907.
- Macloskie, G.** The Patagonian flora. Plant World **10**: 97-103. My 1907.
- Merrill, E. D.** The occurrence of *Antiaris* in the Philippines. Philipp. Jour. Sci. **2**: Bot. 111, 112. Ap 1907.
- Mottet, S.** L'*Hibiscus Moscheutos* et ses variétés. Rev. Hort. **79**: 201-203. *f. 66*. 1 My 1907.
- Murrill, W. A.** Exercises commemorative of the two hundredth anniversary of the birth of Linnaeus. Jour. N. Y. Bot. Gard. **8**: 123-139. *pl. 39 + f. 16-20*. Je 1907.
Includes description of *Linnaea serpyllifolia* Rydberg sp. nov., a native of Alaska.
- Noter, R. de.** Rusticité de quelques *Crinum*. Rev. Hort. **79**: 265-267. 1 Je 1907.
- Parish, S. B.** Recent additions to the flora of Southern California. Muhlenbergia **3**: 57-62. 8 Je 1907.
- Perrédès, P. É. F.** The botanical characters of some Californian species of *Grindelia*. Wellcome Chem. Res. Lab. **65**: 1-3. *pl. 1, 2*. 1907.
- Phillips, F. J.** Notes on *Robinia neo-mexicana*. Forestry & Irrig. **13**: 89-94. F 1907. [Illust.]

- Poisson, H.** *Saundersia mirabilis*. Rev. Hort. **79**: 233, 234. 16 My 1907.
Native of Brazil.
- Pollock, J. B.** Some physiological variations of plants, and their general significance. Science II. **25**: 881-889. 7 Je 1907.
- Quehl, L.** *Mamillaria phellosperma* Engelm. Monats. Kakteenk. **17**: 67, 68. 15 My 1907.
Native of Arizona and California.
- Queva, C.** Contributions à l'anatomie des Monocotylédonées. II. Les Uvulariées rhizomateuses. Beih. Bot. Centralb. **22**²: 30-77. f. 1-49. 1 Je 1907.
- Ramaley, F.** Botany — Account of collections made. Univ. Colo. Stud. **4**: 161-165. Ap 1907.
Scientific expedition to northeastern Colorado.
- Rick, J.** *Fungi austro-americi* fasc. V u. VI. Ann. Myc. **5**: 28-31. 30 Mr 1907.
Includes new species in *Puccinia* and *Gibberidea*.
- Robinson, B. L.** New or otherwise noteworthy spermatophytes, chiefly from Mexico. Proc. Am. Acad. Arts & Sci. **43**: 21-48. 26 Je 1907.
New species described in *Tigridia*, *Schoeffia*, *Mimosa*, *Pedilanthus*, *Bonplandia*, *Brittonastrum* (3), *Russelia*, *Stemodia*, *Piqueria*, *Stevia* (2), *Eupatorium* (10), *Brickellia*, *Guardiola*, *Zinnia*, *Cymophora* gen. nov. (2), *Perymenium*, *Coreopsis*, *Tridax*, *Pericome*, *Loxothysanus* gen. nov., *Tagetes*, *Cacalia* (3), and *Perezia* (2).
- Robinson, B. L.** The scientific name of the osage orange. Rhodora **9**: 91. 3 Je 1907.
- Robinson, B. L. & Bartlett, H. H.** New plants from Guatemala and Mexico, collected chiefly by C. C. Deam. Proc. Am. Acad. Arts & Sci. **43**: 48-60. 26 Je 1907.
New species described in *Polypodium*, *Paspalum*, *Fuirena*, *Myriocarpa*, *Polygonum*, *Ruprechtia*, *Aeschynomene*, *Mimosa*, *Tetrapteris*, *Euphorbia*, *Acalypha*, *Clusia*, *Rinorea*, *Hybanthus*, *Ipomoea*, *Cordia*, *Russelia*, *Tetramerium*, *Isertia*, and *Liabum* (2).
- Robinson, C. B.** The seaweeds of Canso. Being a contribution to the study of eastern Nova Scotia algae. Further Contrib. Can. Biol. **1902-1905**: 71-74. 1907.
- Robinson, C. B.** Some features of the mountain flora of the Philippines. Jour. N. Y. Bot. Gard. **8**: 113-117. [Je] 1907.
- Saccardo, P. A.** Notae mycologicae. Series IX. Ann. Myc. **5**: 177-179. 15 My 1907.
Includes new American species in *Calonectria*, *Dimerosporium*, and *Tuberculina*.

- Schulz, O. E.** *Erythroxylaceae*. Symb. Antill. **5**: 188-211. 20 My 1907.
Includes descriptions of 6 new species of *Erythroxylum*.
- Shull, G. H.** The significance of latent characters. Science II. **25**: 792-794. 17 My 1907.
- Shull, G. H.** Some latent characters of a white bean. Science II. **25**: 828-832. 24 My 1907.
- Skottsberg, C.** Zur Kenntnis subantarktischen und antarktischen Meeresalgen. I. Phaeophyceen. Wissensch. Ergeb. Schwed. Südpolar-Exped. 1901-1903 **4**⁶: 1-172. f. 1-187 + pl. 1-10. map. 1907.
Includes new species in *Ectocarpus* (2), *Geminocarpus* (gen. nov.), *Myrionema* (2), *Leptonema*, *Elachistea*, *Lessonia*, and a new genus *Utriculidium*, from the Falkland Islands and Tierra del Fuego.
- Small, J. K.** Additions to the tree flora of the United States. Torrey **7**: 123-125. 19 Je 1907.
- Smith, E. H.** The blossom end rot of tomatoes. Tech. Bull. Mass. Agric. Exp. Sta. **3**: 3-19. f. 1-6. Ap 1907.
- Sterki, V.** Hibernacula of *Utricularia*. Ohio Nat. **7**: 158. 15 My 1907.
- Sudworth, G. B.** A new California oak (*Quercus Pricei*). Forestry & Irrig. **13**: 157, 158. f. A. Mr 1907.
- Sudworth, G. B.** A new tree juniper for New Mexico (*Juniperus megalocarpa*). Forestry & Irrig. **13**: 307-310. f. 1, 2. Je 1907.
- Terry, W. A.** Causes of variation in color in some red algae. Rhodora **9**: 90, 91. 3 Je 1907.
- Turner, J. B.** Variation in the corolla of *Linaria vulgaris* Mill. Science II. **25**: 1003, 1004. 28 Je 1907.
- Underwood, L. M.** The progress of our knowledge of the flora of North America. Pop. Sci. Mo. **70**: 497-517. f. 1-7. Je 1907.
- Urban, I.** *Compositarum* genera nonnulla. Symb. Antill. **5**: 212-286. 20 My 1907.
Includes new species in *Mikania* (2), *Baccharis*, and *Pectis* (7).
- Urban, I.** Nova genera et species III. Symb. Antill. **5**: 287-352. 20 My 1907.
New species described in *Arundinaria* (2), *Zephyranthes* (2), *Gymnosiphon* (2), *Piper*, (2), *Peperomia* (7), *Pilea* (27), *Boehmeria* (2), *Dendropemon*, *Phoradendrum* (3), *Dendrophthora*, *Coccoloba* (3), *Iresine*, *Portulaca* (4), *Cleome* (3), *Morisonia*, *Alchemilla*, and *Prunus*.

Urban, I. *Olacaceae*. Symb. Antill. **5**: 177-187. 20 My 1907.

Includes descriptions of 3 new species of *Schoepfia*.

Van Tieghem, P. Supplément aux Ochnacées suivi d'une table alphabétique des genres et espèces qui composent actuellement cette famille. Ann. Sci. Nat. Bot. IX. **5**: 157-192. 1907.

Contains lists of plants belonging to this family from Martinique, Guadeloupe, and French Guiana.

Vinson, A. E. The function of invertase in the formation of cane and invert sugar dates. Bot. Gaz. **43**: 393-407. 17 Je 1907.

Weingart, W. *Cereus xanthocarpus* K. Schum. Monats. Kakteenk. **17**: 65-67. 15 My 1907.

Native of Paraguay.

Wercklé, C. Eine interessante *Rhipsalis*-Art aus Costarica. Monats. Kakteenk. **17**: 71, 72. 15 My 1907.

Williamson, E. B. A collecting trip north of Sault Ste. Marie, Ontario. Ohio Nat. **7**: 129-148. 15 My 1907.

Contains a list of plants collected at Searchmont and Hayden, New Ontario.

Wilson, A. D. Some common weeds and their eradication. Ann. Rep. Agric. Exp. Sta. Univ. Minn. **14**: 195-237. *f.* 164-188. 1907.

Wright, R. R. The plankton of eastern Nova Scotia waters. An account of floating organisms upon which young food-fishes mainly subsist. Further Contrib. Can. Biol. **1902-1905**: 1-19. *pl.* 1-7. 1907.